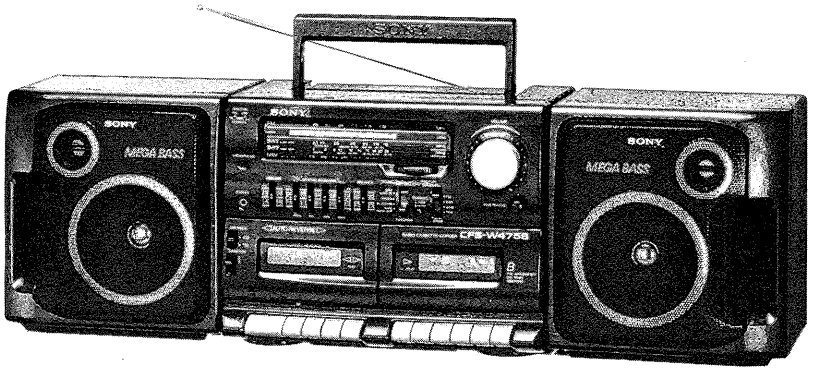
CFS-W475S

SERVICE MANUAL

E Model



Model Name Using Similar Mechanism	CFS-W455S
Tape Transport Mechanism Type	MF-W475

SPECIFICATIONS

Frequency range
- FM: Saudi Arabian model
  - 87.6–107 MHz
  - Other models
  - 87.6–108 MHz
- MW: 530–1,605 kHz
- SW1: 2.3–7 MHz
- SW2: 7–22 MHz

Aerials
- FM/SW: Telescopic
- MW: Built-in ferrite bar

Recording system
- 4-track, 2-channel stereo

Frequency response
- 80–8,000 Hz

Speakers
- Two way
- Approx. 10 cm dia. woofer x 2
- Approx. 2 cm dia. tweeter x 2

Input
- CD/LINE IN jacks (stereo pinjacks) (2)
  - Input impedance 47 kilohms
  - Sensitivity 0.44 V

Output
- Headphones jack (stereo minijack) (1)
  - for 8–300 ohm impedance headphones
- Speaker jacks for 6-ohm impedance speaker

Maximum power output
- 10W (5 W + 5 W)

Power requirements
- 110–120/220–240 V AC adjustable, 50/60 Hz
- 9 V DC, six R20 (size D) batteries

Power consumption
- 15 W in AC operation

Battery life

Battery	FM recording	
Sony SUM-1 (NS)	Approx.	hours
Sony AM1 (N) alkaline	Approx.	hours

Dimensions
- Approx. 680 x 216 x 188 mm (w/h/d) incl. projecting parts and controls, not incl. handle

Mass
- Approx. 5.8 kg incl. batteries

Accessory supplied
- Mains lead (1)

Design and specifications are subject to change without notice.

RADIO CASSETTE-CORDER

SONY®

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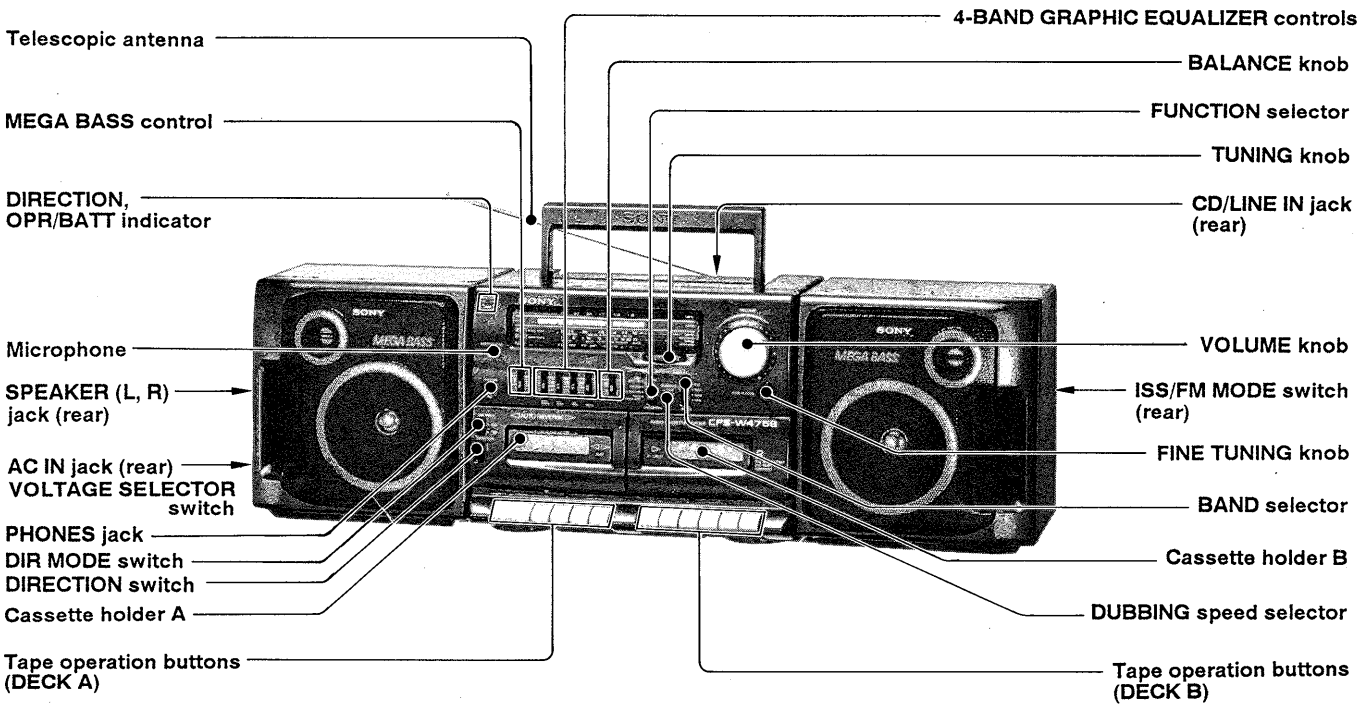
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

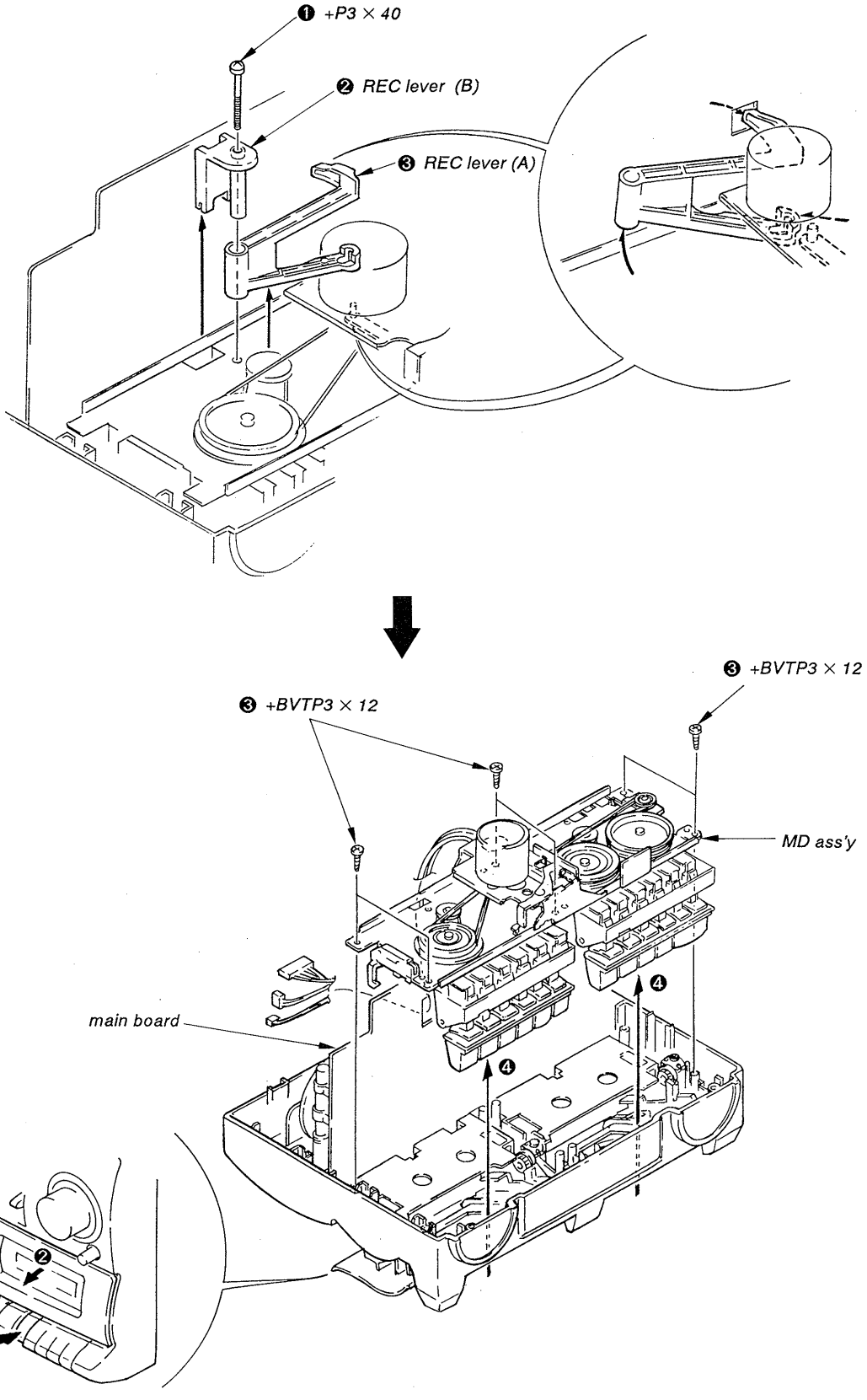
LOCATION AND FUNCTION OF CONTROLS



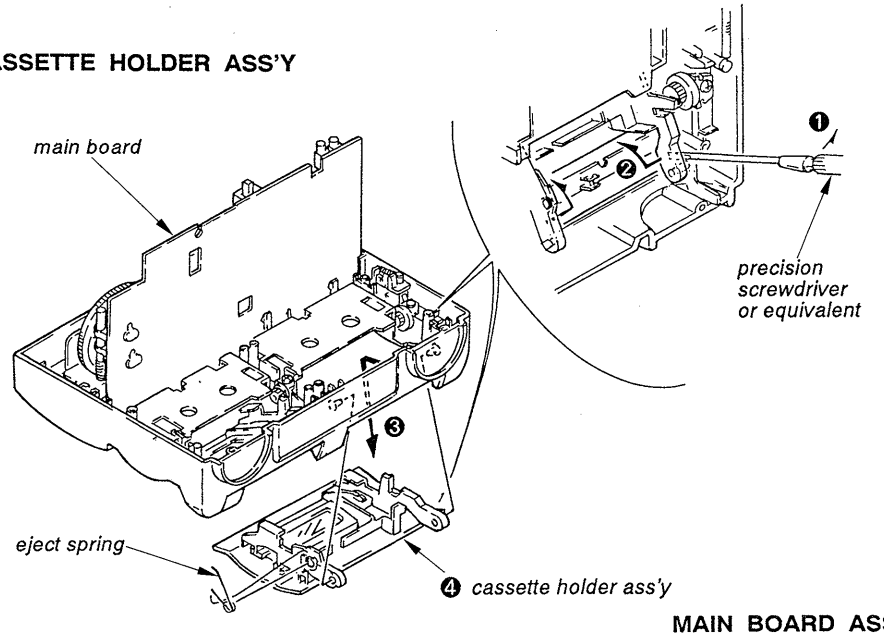
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

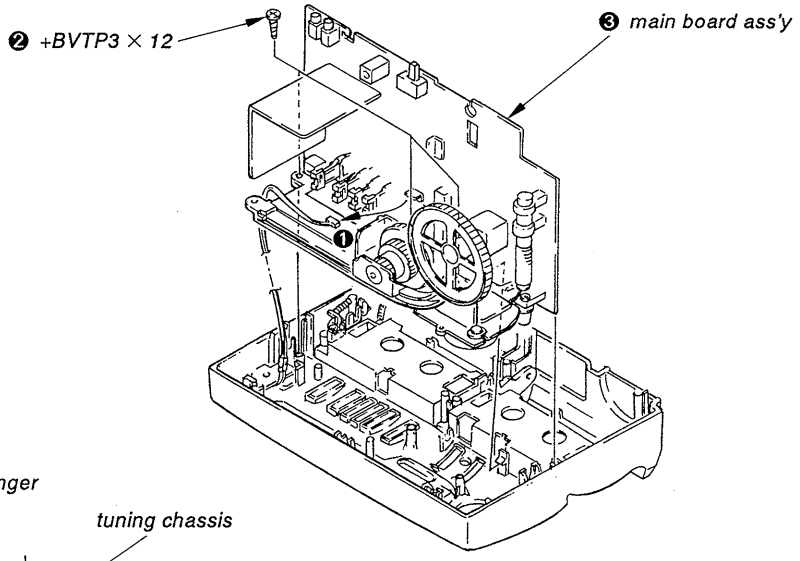
MD ASS'Y



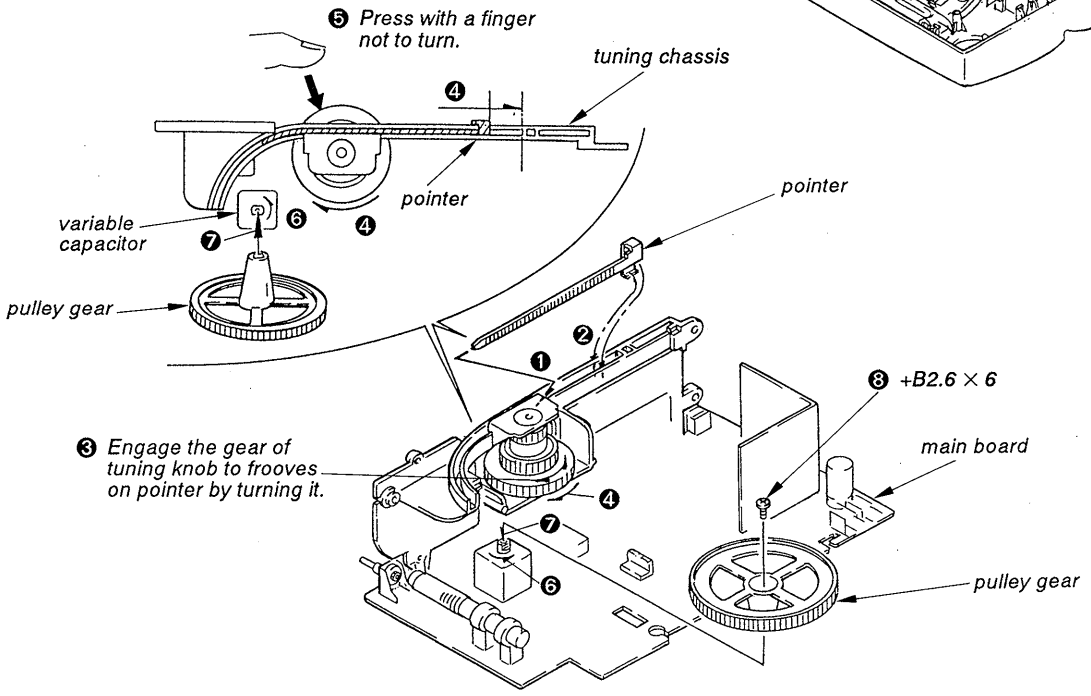
CASSETTE HOLDER ASS'Y



MAIN BOARD ASS'Y



POINTER SETTING



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head — pinch roller
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagentizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement DECK A DECK B

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	30 – 75 g•cm (0.42 – 0.98 oz•inch)
FWD back tension		1.5 – 6 g•cm (0.021 – 0.084 oz•inch)
REV	CQ-102RC	30 – 75 g•cm (0.42 – 0.98 oz•inch)
REV back tension		1.5 – 6 g•cm (0.021 – 0.084 oz•inch)
FF	CQ201B	50 – 130 g•cm (0.834 – 1.874 oz•inch)
Rewind		

Tape Tension Measurement DECK A DECK B

Mode	Tension Meter	Meter reading
FED	CQ-403A	more than 100 g (3.53 oz)
REV (Deck A)	CQ-403R	

3-2. ELECTRICAL ADJUSTMENTS

TAPE SECTION

1. The adjustments should be performed in the order given in the service manual. (As a general rule. Playback circuit adjustment should be completed before performing recording circuit adjustment.)
2. The adjustments should be performed for both L-ch and R-ch unless otherwise indicated.

- Switch location
  FUNCTION ····· TAPE (RADIO OFF)
  GRAPHIC EQUALIZER ····· center click
  BALANCE ····· center click
  VOLUME ····· mechanical center
  MEGA BASS ····· mechanical center

- **Standard input level**

	MIC IN
Source impedance	300 Ω
Input level	3.085 mV (– 48 dB)

- **Standard output level**

	SP OUT	PHONES
Load impedance	3.2 Ω	32 Ω
Output level	0.775 V (0 dB)	0.25 V (– 10 dB)

- **Test Tape**

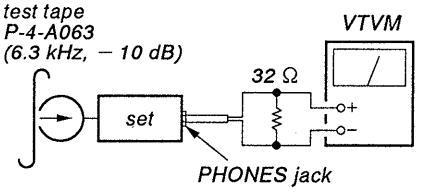
Type	Signal	Used for
WS-48B	3 kHz, 0 dB	tape speed adjustment
P-4-A063	6.3 kHz, – 10 dB	azimuth speed adjustment

0 dB=0.775 V

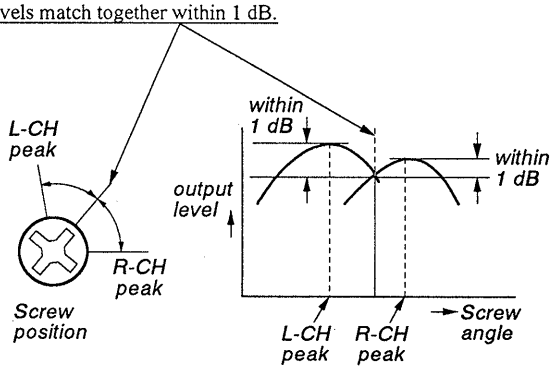
Record/Playback Head Azimuth Adjustment DECK A DECK B

Procedure:

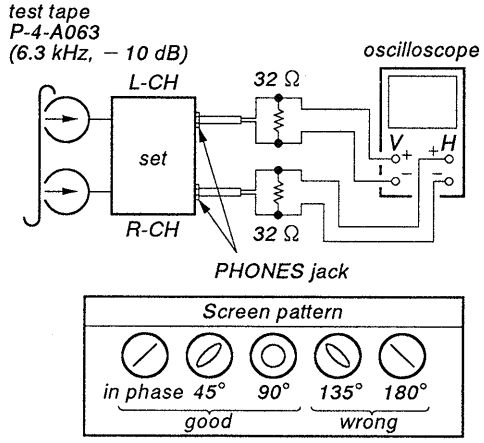
1. FWD/REV playback (DECK A)
   FWD playback (DECK B)



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.

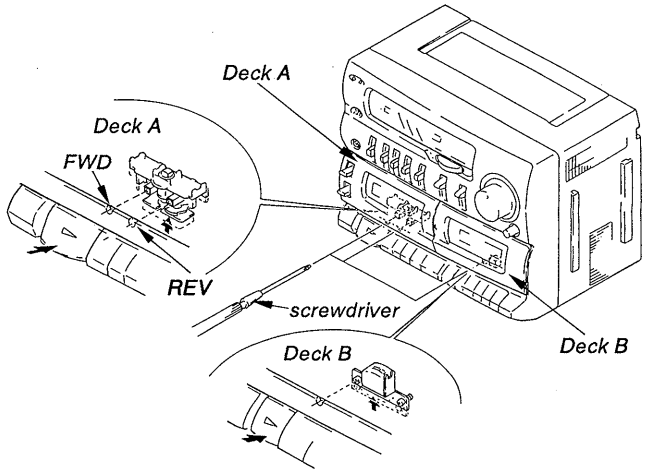


3. Phase Check
Mode: FWD/REV playback (DECK A)
FWD playback (DECK B)



4. Set in the REV mode and repeat the step 1 to 3.
5. After the adjustment, lock the screws with locking compound.

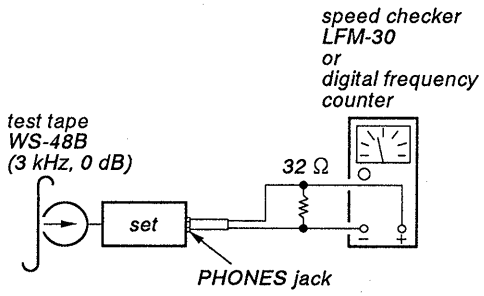
Adjustment Location:



Tape Speed Adjustment DECK A DECK B

Setting:
Mode: FWD/REV playback (DECK A)
FWD playback (DECK B)

Procedure:



Adjustment Values:

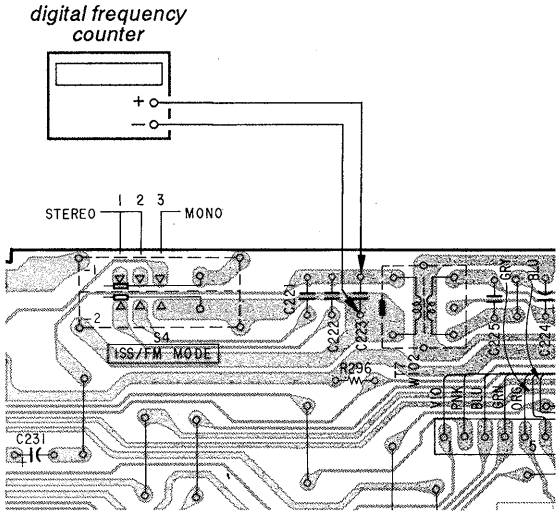
Adjustment part	Speed checker	Digital frequency counter
RV251	± 3%	2,910 to 3,090 Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30 Hz).
Note: (High speed: non adjustment)

Adjustment Location: Main board

Record Bias OSC Frequency Adjustment DECK B

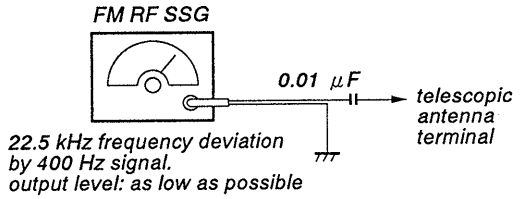
Procedure:
ISS/FM MODE : 2 (CENTER)



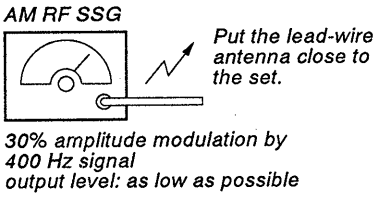
1. The set should be under no signal conditions recording mode.
2. Connect the frequency counter to C223 on the MAIN board.
3. Adjust with T7 so that the record bias OSC frequency is 68± 0.2 kHz.

TUNER SECTION

[FM]

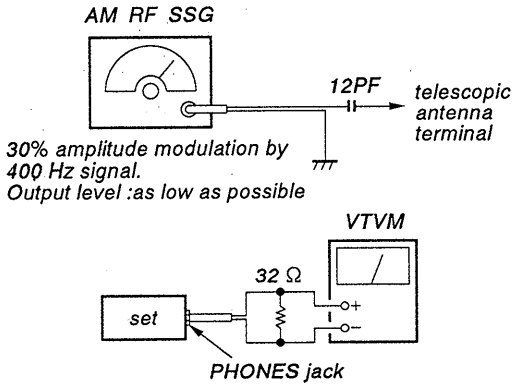

FM RF SSG
0.01 μF
telescopic antenna terminal
22.5 kHz frequency deviation by 400 Hz signal.
output level: as low as possible

[MW]


AM RF SSG
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
output level: as low as possible

[SW]

FINE TUNE ..... Mechanical center



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	86.5 MHz
TC2	109.5 MHz

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	86.5 MHz
TC1	109.5 MHz

AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T1	455 kHz

MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L7	520 kHz
TC4	1680 kHz

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L6	600 kHz
TC3	1400 kHz

SW1 FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L9	2.2 MHz
TC7	7.3 MHz

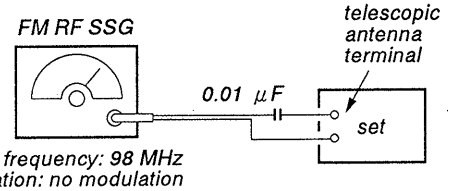
SW1 TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L5	2.2 MHz
TC5	7.3 MHz

SW2 FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L8	6.8 MHz
TC8	22.5 MHz

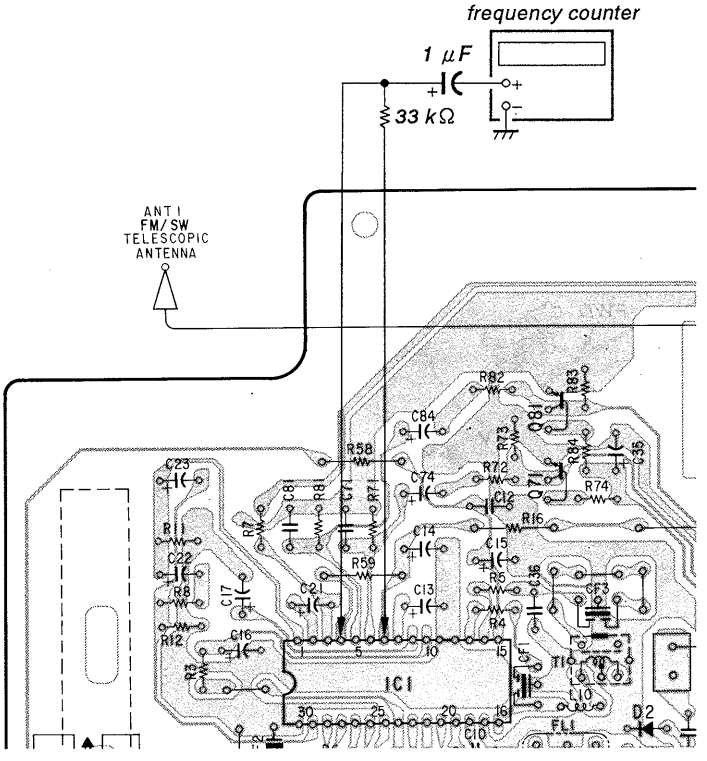
SW2 TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	6.8 MHz
TC6	22.5 MHz

VCO Adjustment

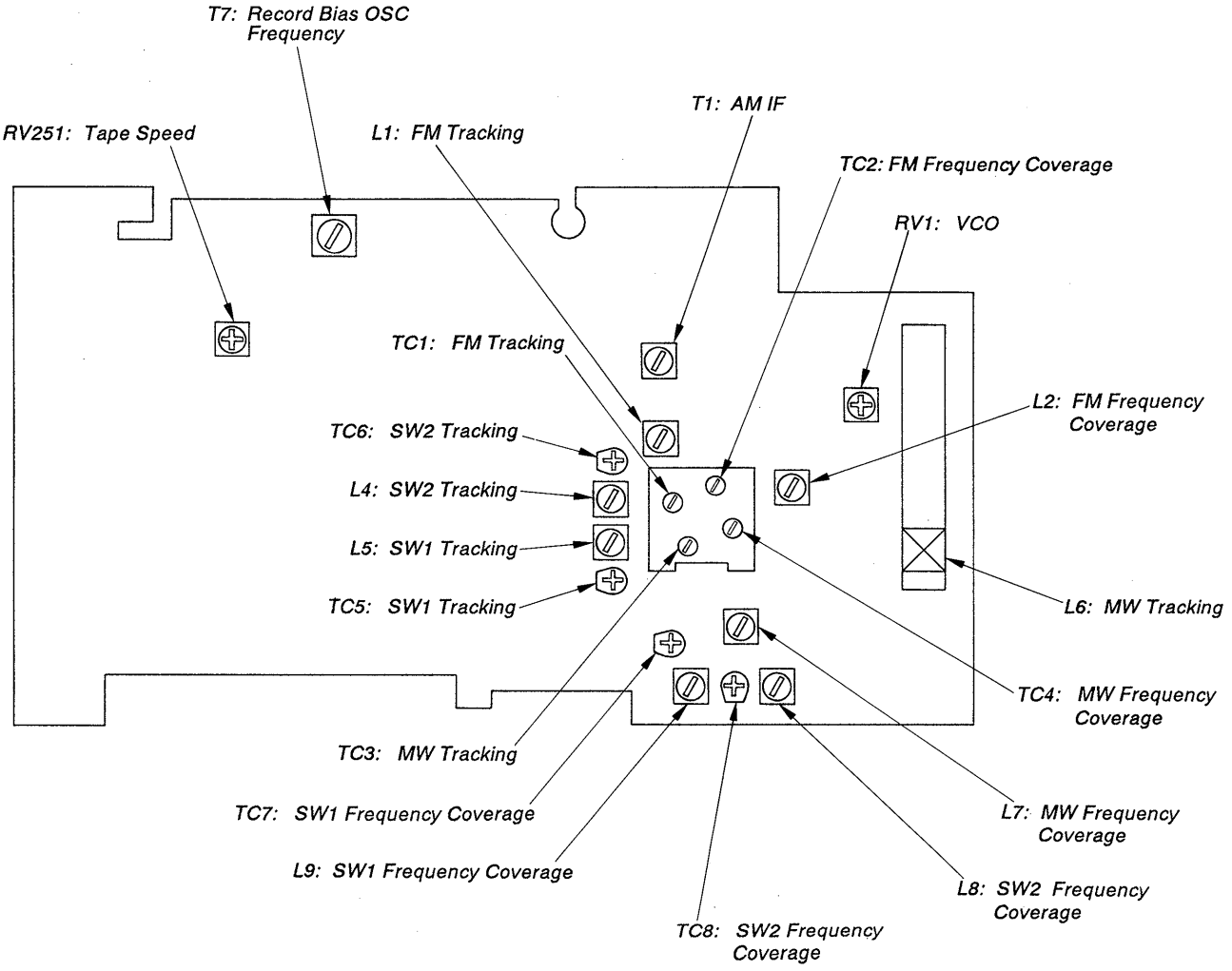
Procedure:



1. Connect frequency counter to ④ and ⑦ pins of IC1 as shown the figure below.
2. Tune the set to 98 MHz.
3. Adjust RV1 for 76 kHz ± 500 Hz reading on the frequency counter.

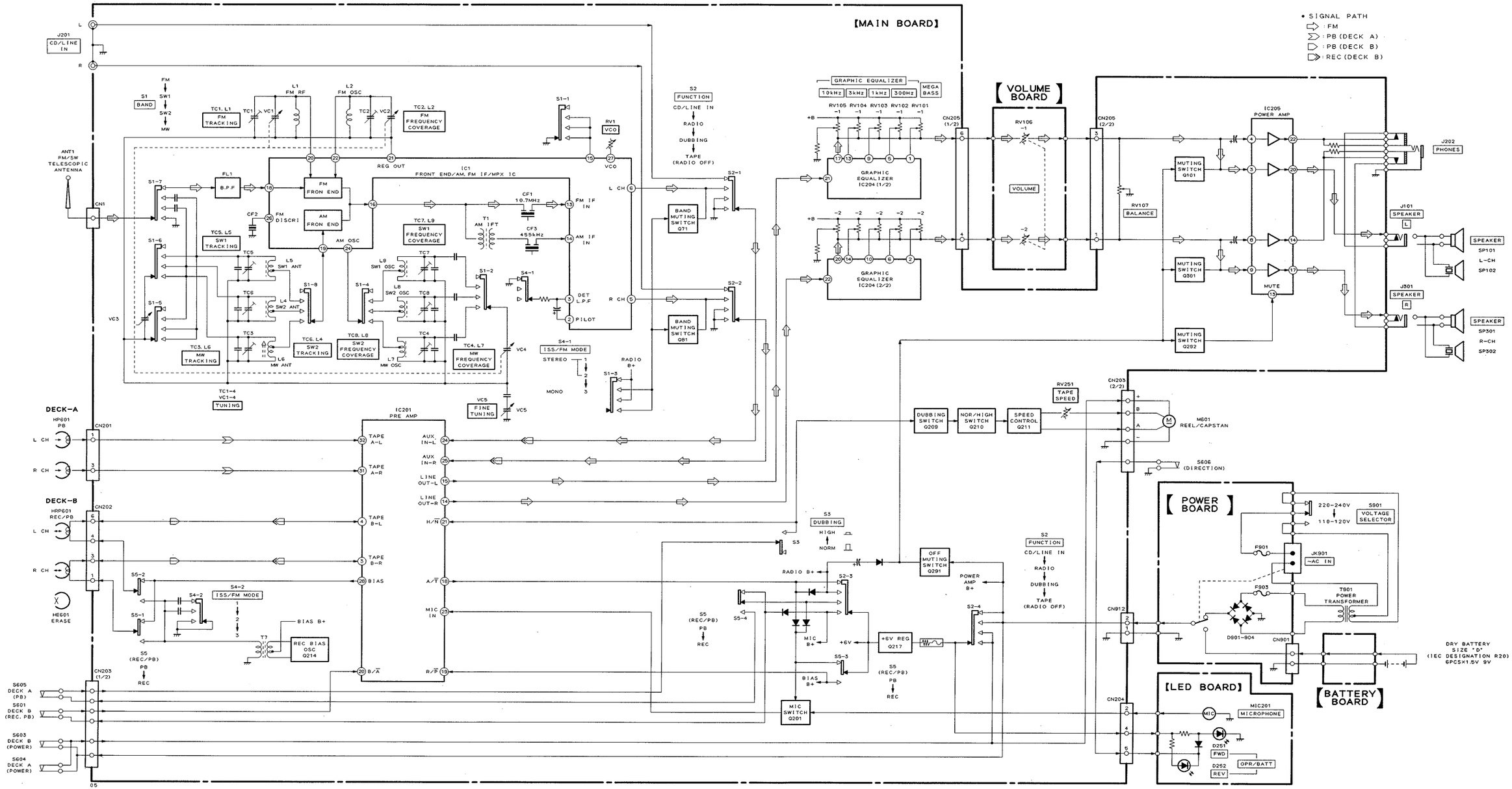


• **Adjusting Location**: Main board (Component side)



SECTION 4
DIAGRAMS

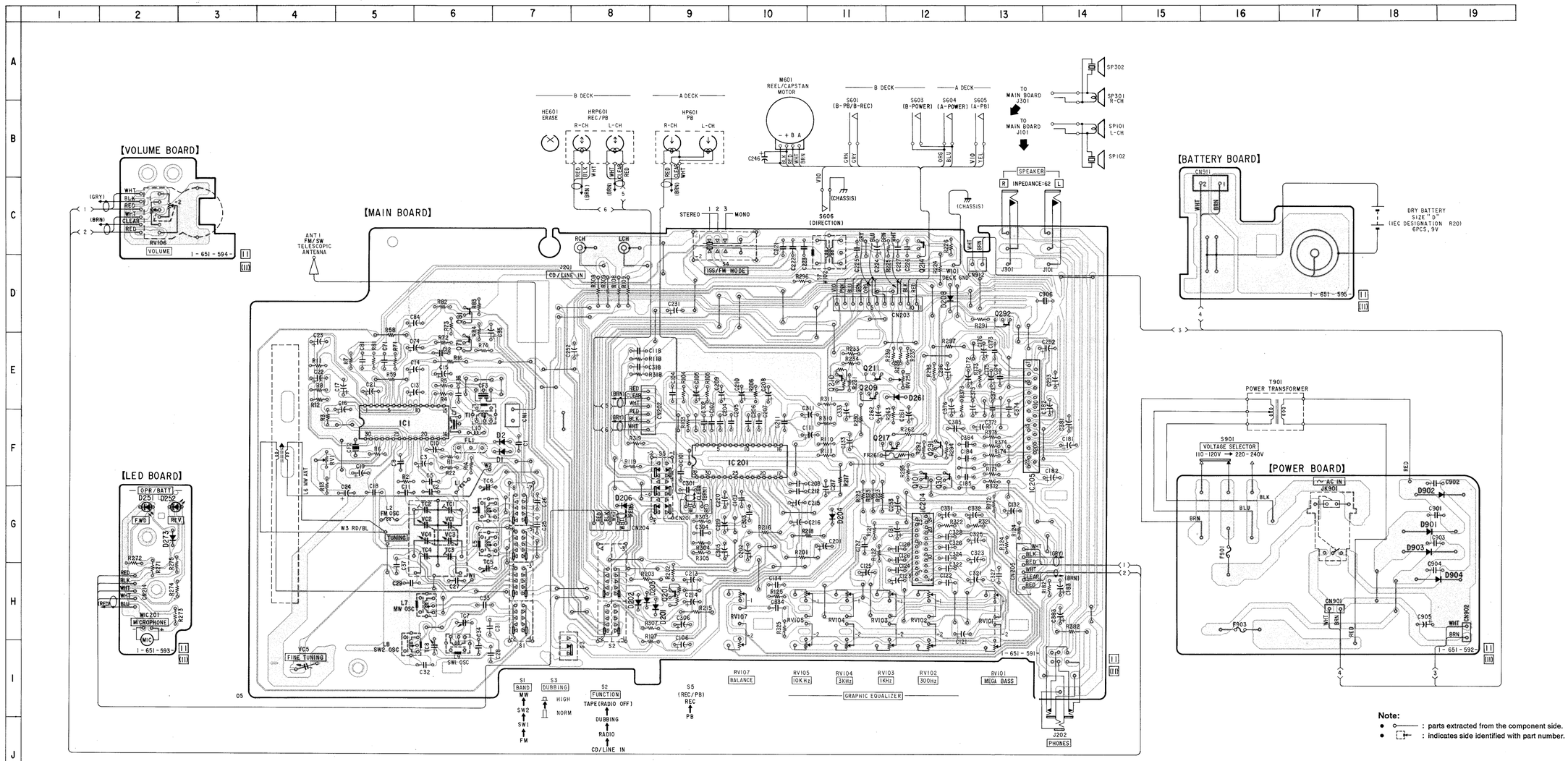
4-1. BLOCK DIAGRAM



4-2. PRINTED WIRING BOARDS • See page 19 for Semiconductor Lead Layouts.

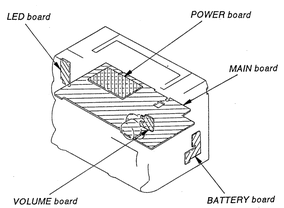
• Semiconductor Location

Ref. No.	Location
D1	F-7
D2	F-7
D201	H-9
D202	H-8
D203	H-8
D204	G-11
D206	G-8
D208	D-12
D251	G-2
D252	G-2
D261	E-12
D273	G-2
D901	G-18
D902	G-18
D903	G-18
D904	H-19
IC1	F-5
IC201	F-10
IC204	G-12
IC205	F-13
Q71	E-6
Q81	D-6
Q101	F-12
Q201	H-9
Q209	E-11
Q210	E-11
Q211	E-11
Q214	D-12
Q217	F-12
Q291	F-12
Q292	D-13
Q301	F-12



Note:
- ○——○ : parts extracted from the component side.
- ⬚ : indicates side identified with part number.

• Circuit Boards Location



Note:

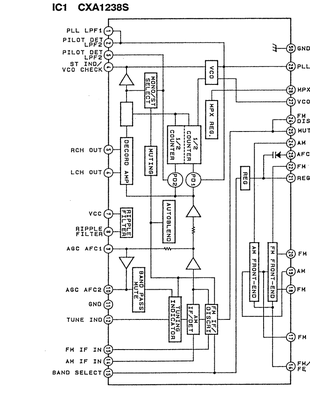
- All capacitors are in μF unless otherwise noted. pF: μμF
  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

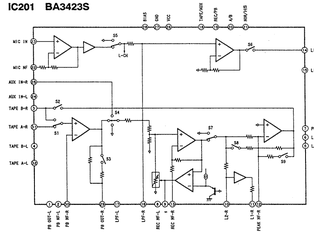
- : B+ Line.
- : panel designation.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM or COMMON
  ( ) : AM (MW/SW)
  < > : DUBBING (HI-SPEED)
  { } : DUBBING (NOR-SPEED)
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM
  : PB (DECK A)
  : PB (DECK B)
  : REC (DECK B)

• IC Block Diagrams

IC1 CXA1238S



IC201 BA3423S



• Semiconductor Lead Layouts

BA3423S

DTC114ES

KTC3205

1SS132
10E2

BA3822LS

KTA1266
KTC3198
KTC3202
KTD1302

1SS202-1

SLR34VR70F165

LA4620

SECTION 5
EXPLODED VIEWS

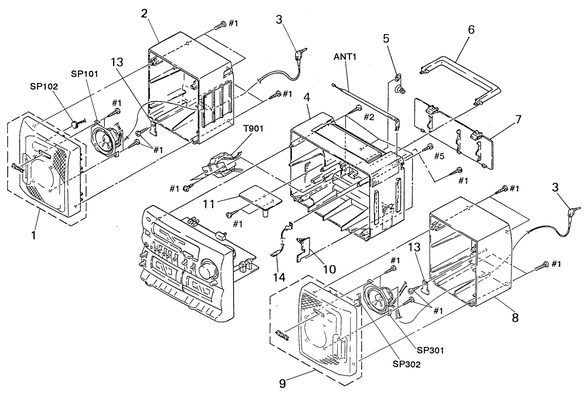
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

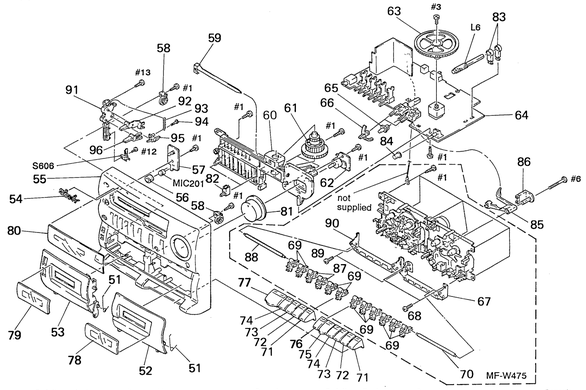
- Abbreviations
  EA : Saudi Arabia model
  UAE : United Arab Emirates model

(1) REAR CABINET ASSEMBLY AND SPEAKER ASSEMBLIES SECTION



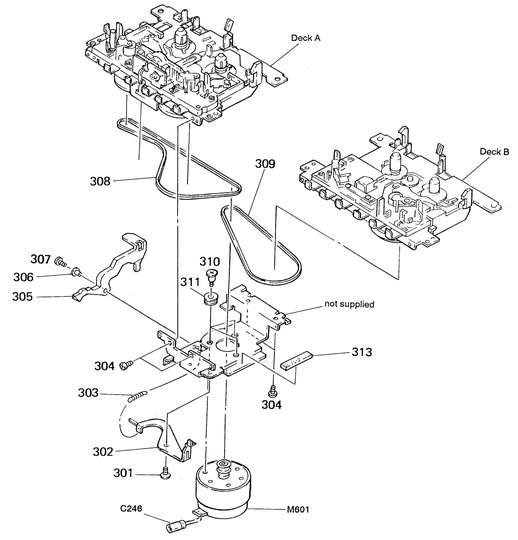
Ref.No.	Part No.	Description	Remark
1	X-3369-536-1	SPEAKER FRONT CABINET (L) ASSY	
2	3-918-072-01	CABINET (L), SP (REAR)	
3	1-575-951-11	CORD, SPEAKER	
4	3-915-854-21	CABINET (REAR)	
5	3-397-812-01	BATTERY SPRING (+/-) #1	
6	3-916-306-01	HANDLE	
7	3-915-851-01	LID, BATTERY CASE	
8	3-918-073-01	CABINET (R), SP (REAR)	
9	X-3369-535-1	SPEAKER FRONT CABINET (R) ASSY	
* 10	1-651-595-11	BATTERY BOARD	
* 11	1-651-592-11	POWER BOARD	
* 13	3-918-697-01	HOLDER, CODE	
14	3-915-895-01	LUG, ANTENNA	
ANT1	1-501-544-11	ANTENNA, TELESCOPIC (FM/SW)	
SP101	1-504-749-11	SPEAKER	
SP102	1-528-047-11	BUZZER	
SP301	1-504-749-11	SPEAKER	
SP302	1-529-047-11	BUZZER	
⚠T901	1-427-741-11	TRANSFORMER, POWER	

(2) FRONT CABINET ASSEMBLY SECTION



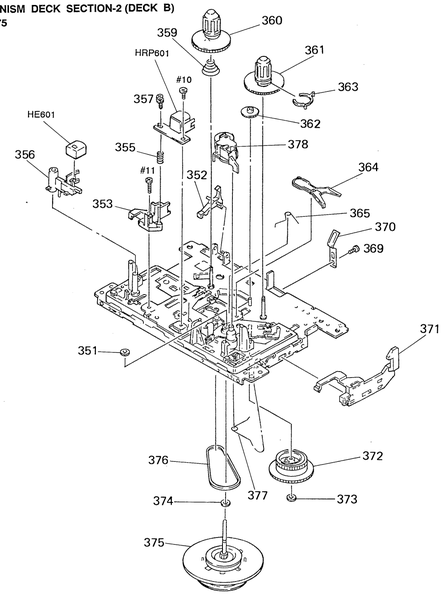
Ref.No.	Part No.	Description	Remark
51	3-918-301-01	SPRING, EJECT	
52	3-921-158-01	HOLDER (B), CASSETTE	
53	3-921-157-01	HOLDER (A), CASSETTE	
54	3-916-302-01	EMBLEM, SONY	
55	3-921-156-01	CABINET (FRONT)	
* 56	3-915-893-01	CUSHION, MICROPHONE	
* 57	1-651-593-11	LED BOARD	
58	3-384-796-01	DAMPER GEAR ASSY	
59	3-915-839-01	POINTER	
* 60	3-915-853-01	CHASSIS, TUNING	
61	3-915-840-01	KNOB, TUNING	
* 62	1-651-594-11	VOLUME BOARD	
63	3-915-841-01	GEAR, PULLEY	
* 64	A-3276-644-A	MAIN BOARD, COMPLETE (E,UAE)	
* 64	A-3276-655-A	MAIN BOARD, COMPLETE (EA)	
65	3-915-844-01	KNOB, DUBBING	
66	3-915-842-01	KNOB, FUNCTION	
* 67	3-920-464-01	FRAME, B	
68	3-920-349-01	SCREW, CAMERA (S) TAPPING	
69	3-920-461-01	LEVER, OPERATION	
70	3-915-822-01	SHAFT, BUTTON LEVER	
71	3-915-828-11	KNOB (PAUSE)	
72	3-915-829-11	KNOB (STOP/EJECT)	
73	3-915-830-11	KNOB (FF)	
74	3-915-831-11	KNOB (REW)	
75	3-915-833-11	KNOB (PLAY) (B)	
76	3-915-832-11	KNOB (REC)	
77	3-915-834-11	KNOB (PLAY) (A)	
78	3-915-836-01	WINDOW (B), CASSETTE	
79	3-921-159-01	WINDOW (A), CASSETTE	
80	3-915-837-51	WINDOW, DIAL (E,UAE)	
80	3-915-837-61	WINDOW, DIAL (EA)	
81	3-915-838-11	KNOB, VOLUME	
82	3-915-843-01	KNOB, GEQ	
* 83	3-919-831-01	HOLDER, BAR ANTENNA	
84	3-917-885-01	KNOB, FINE TUNING	
85	3-920-202-01	LEVER (A), REC	
86	3-920-203-01	LEVER (B), REC	
87	3-920-462-01	LEVER, OPERATION	
88	3-920-460-01	SHAFT, BUTTON LEVER	
89	3-920-343-01	SCREW, CAMERA (S) TAPPING	
* 90	3-920-459-01	FRAME, B	
91	3-921-151-01	CHASSIS	
92	3-921-149-01	KNOB, MOD	
93	3-472-212-02	SPRING	
94	3-921-152-01	SHAFT	
95	3-921-150-01	LEVER, DIR	
96	3-921-148-01	KNOB, DIR	
L6	1-501-756-11	ANTENNA, FERRITE-ROD (MW)	
MIC201	1-542-241-11	MICROPHONE	
S606	1-762-279-11	SWITCH, LEAF (DIRECTION)	

(3) MECHANISM DECK SECTION-1
MF-W475



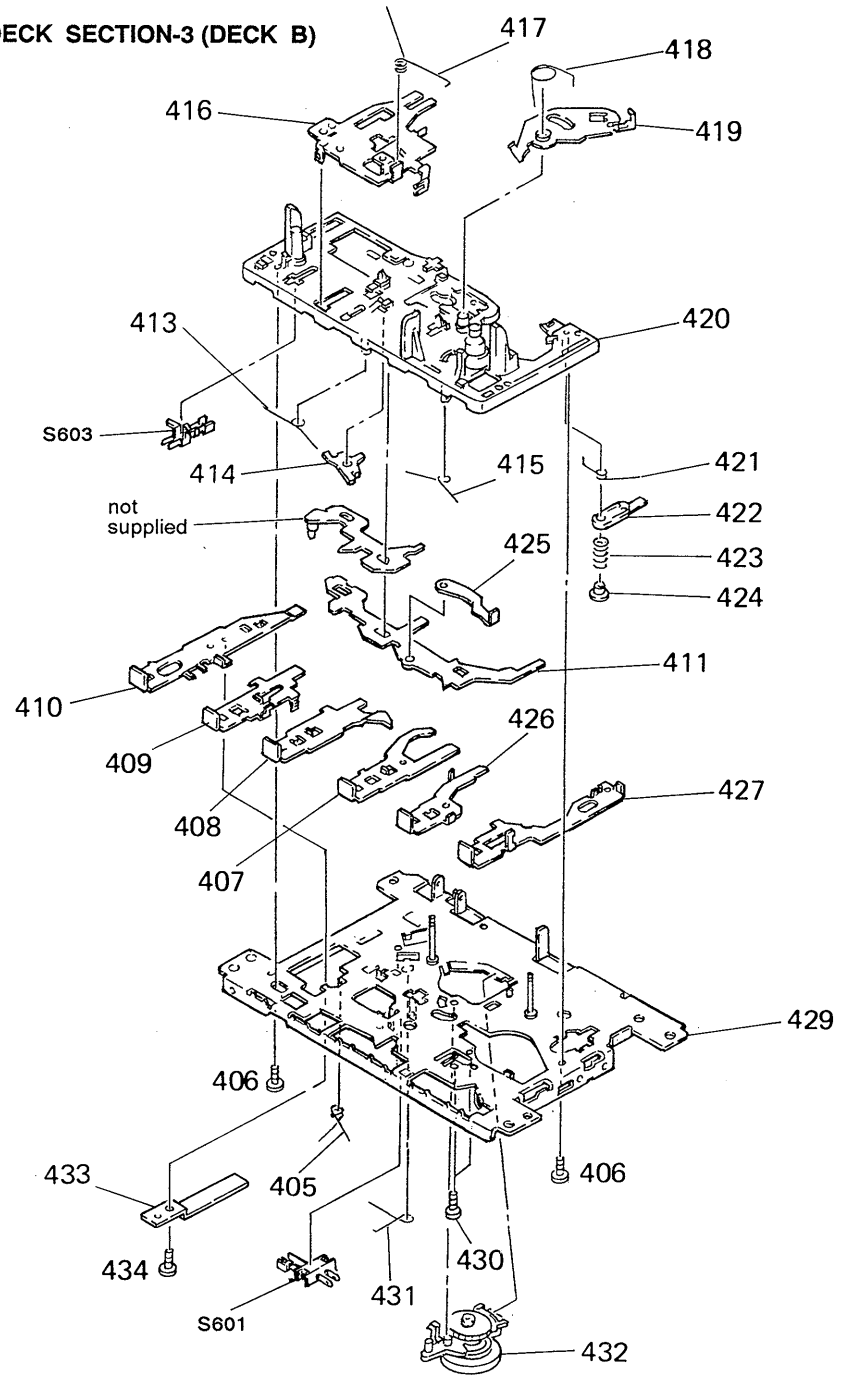
Ref.No.	Part No.	Description	Remark
301	3-915-826-01	SCREW (A), PK COLLAR	
* 302	3-920-465-01	LEVER, P KICK	
303	3-920-466-01	SPRING, P KICK LEVER	
304	3-915-809-01	SCREW (M2X4), C TIGHT	
305	3-920-467-01	LEVER (B), P KICK	
306	3-915-827-01	COLLAR (B)	
307	3-920-341-01	SCREW (M2X6), C TIGHT	
308	3-920-455-01	BELT, M	
309	3-920-403-01	BELT, MAIN	
310	3-920-402-01	SCREW, MOTOR COLLAR	
311	3-920-401-01	RUBBER, MOTOR	
313	3-920-469-01	MAT, VIBRATION PROOF	
C246	1-126-101-11	ELECT 100uF 20% 16V	
M601	X-3369-757-1	MOTOR ASSY (REEL/CAPSTAN)	

(4) MECHANISM DECK SECTION-2 (DECK B)
MF-W475



Ref.No.	Part No.	Description	Remark
351	3-920-346-01	WASHER	
* 352	3-920-405-01	LEVER, REC SAFETY	
353	3-915-777-01	BASE, HEAD	
355	3-920-424-01	SPRING, AZIMUTH	
356	3-915-782-01	ARM, MG	
357	3-920-351-01	SCREW (M2X7)	
359	3-920-399-01	GEAR, BACK TENSION	
360	3-915-795-01	REEL ASSY, SUPPLY	
361	3-915-796-01	REEL ASSY, TAKE-UP	
362	3-915-793-01	GEAR, FF	
363	3-915-797-01	SENSOR	
364	3-915-785-01	LEVER, SENSING	
365	3-915-781-01	SPRING, M CONTROL	
369	3-915-808-01	SCREW (M2X3), C TIGHT	
370	3-920-406-01	SPRING, PACK	
* 371	3-920-404-01	LEVER, EJECT SLIDE	
372	3-915-792-01	GEAR, CAM	
373	3-920-348-01	WASHER	
374	3-920-350-01	WASHER	
375	3-915-788-01	FLYWHEEL ASSY	
376	3-915-787-01	BELT, RF	
377	3-915-758-01	SPRING, E ACTUATOR	
378	3-915-784-01	ARM ASSY, PINCH ROLLER	
HE601	1-500-139-11	HEAD, E (ERASE) (DECK B)	
HRP601	1-500-138-11	HEAD, R/P (REC/PB) (DECK B)	

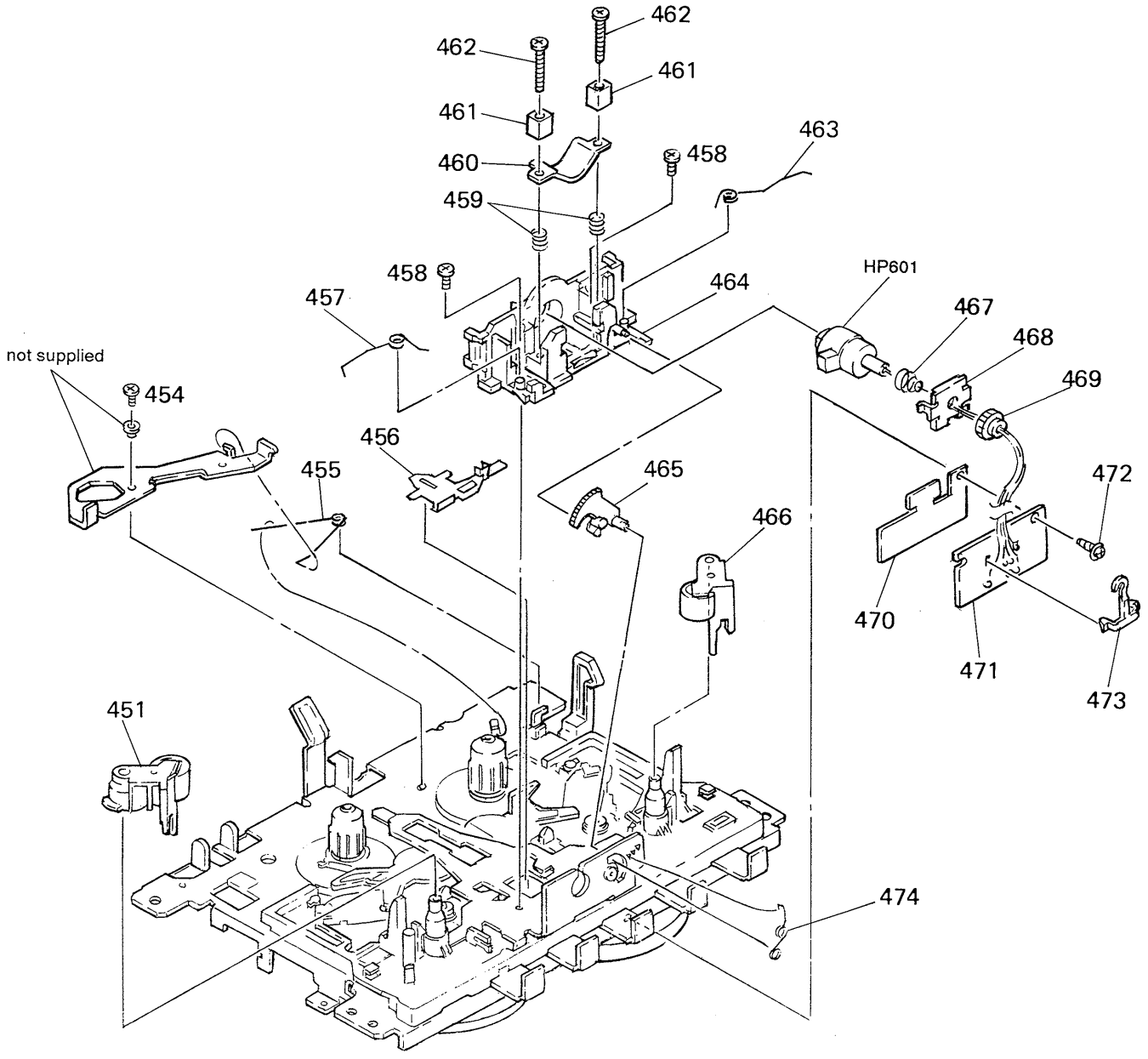
(5) MECHANISM DECK SECTION-3 (DECK B)
MF-W475



Ref. No.	Part No.	Description	Remark
405	3-915-759-01	SPRING, PS LEVER	
406	3-915-810-01	SCREW (M2X5), P TIGHT BIND	
* 407	3-915-749-01	LEVER, FF BUTTON	
* 408	3-915-745-01	LEVER, REW BUTTON	
* 409	3-915-744-01	LEVER, PLAY BUTTON	
* 410	3-915-743-01	LEVER, REC BUTTON	
* 411	3-915-742-01	PLATE, FUNCTION, PUSH BUTTON	
413	3-915-756-01	SPRING (A), BUTTON LEVER	
* 414	3-915-772-01	STOPPER, PR	
415	3-915-774-01	SPRING (B), BUTTON LEVER	
416	3-915-776-01	PANEL, HEAD	
417	3-920-396-01	SPRING, PANEL (P)	
418	3-915-790-01	SPRING, GEAR PLATE	
419	3-920-398-01	PLATE ASSY, GEAR	
420	3-915-740-01	BASE ASSY (A)	

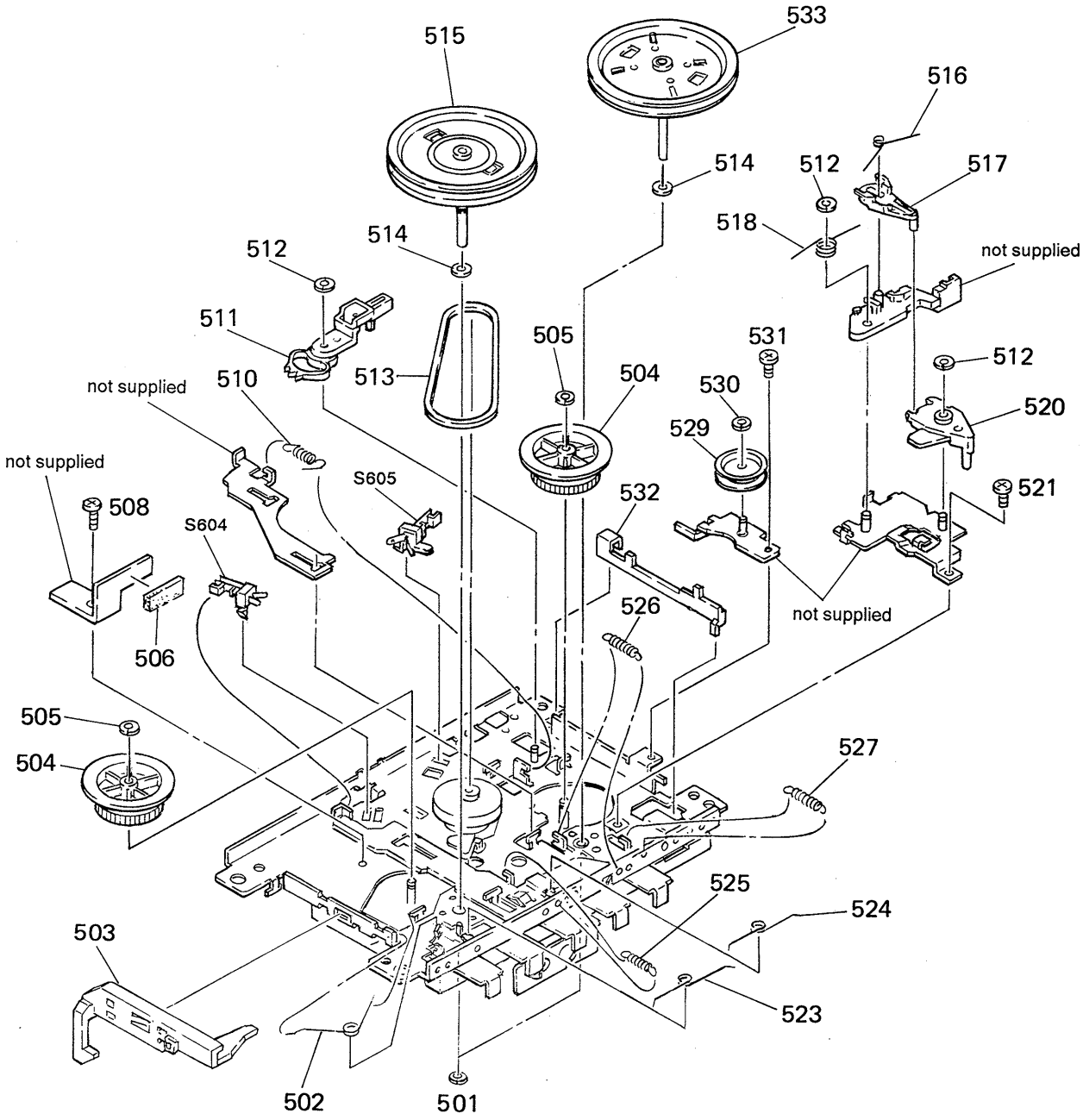
Ref. No.	Part No.	Description	Remark
421	3-915-752-01	SPRING, P CONTROL	
* 422	3-920-393-01	LEVER, PAUSE	
423	3-915-754-01	SPRING, PAUSE LEVER	
424	3-915-755-01	STOPPER, PAUSE	
* 425	3-915-760-01	LEVER, E KICK	
* 426	3-915-750-01	LEVER, STOP BUTTON	
* 427	3-915-751-01	LEVER, PAUSE BUTTON	
* 429	3-915-757-01	CHASSIS ASSY	
430	3-915-811-01	SCREW (M2X4.5), CAMERA TAPPING	
431	3-915-773-01	SPRING, REC BUTTON LEVER	
432	3-920-397-01	CLUTCH ASSY, RF	
* 433	3-920-394-01	BRACKET ASSY, REC	
434	3-915-808-01	SCREW (M2X3), C TIGHT	
S601	1-762-023-11	SWITCH, LEAF (PB/REC) (DECK B)	
S603	1-762-022-11	SWITCH, LEAF (POWER) (DECK B)	

(6) MECHANISM DECK SECTION-4 (DECK A)
MF-W475



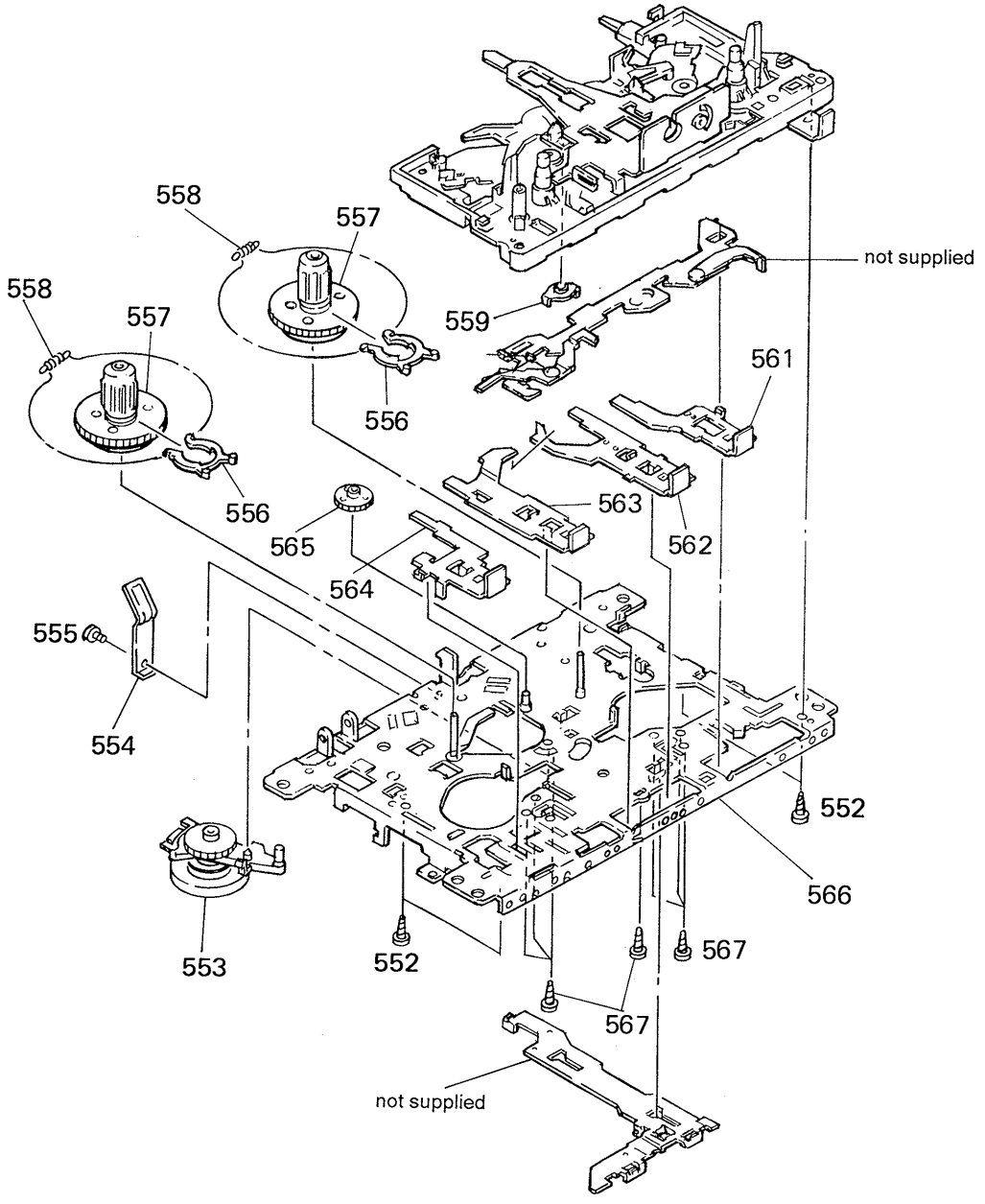
Ref. No.	Part No.	Description	Remark
451	3-920-457-01	PINCH ROLLER (F) ASSY	
454	3-920-342-01	SCREW, CAMERA (S) TAPPING	
455	3-920-450-01	SPRING, PAUSE ARM (B)	
* 456	3-920-428-01	PLATE, REPLACEMENT	
457	3-920-423-01	SPRING (R), PINCH ROLLER ARM	
458	3-920-340-01	SCREW, CAMERA (S) TAPPING	
459	3-920-395-01	SPRING, AZIMUTH	
460	3-920-425-01	PLATE, SPRING, HEAD	
461	3-920-426-01	HOLDER, SCREW	
462	3-920-339-01	SCREW (M2X13.5), +-	
463	3-920-422-01	SPRING (F), PINCH ROLLER ARM	
* 464	3-920-421-01	HEAD MOUNT	
465	3-920-427-01	GEAR, REPLACEMENT	
466	3-920-456-01	PINCH ROLLER (F) ASSY	
467	3-920-416-01	SPRING, HEAD HOLDER	
468	3-920-417-01	HOLDER	
469	3-920-418-01	GEAR, PINION	
* 470	3-920-458-01	PLATE, SHIELD, H	
* 471	3-920-419-01	PLATE, TERMINAL, H.W	
472	3-920-344-01	SCREW (M2X4)	
473	3-920-420-01	CLAMP, WIRE	
474	3-920-474-01	SPRING, H REPLACEMENT	
HP601	1-500-187-11	HEAD (PB) (DECK A)	

(7) MECHANISM DECK SECTION-5 (DECK A)
MF-W475



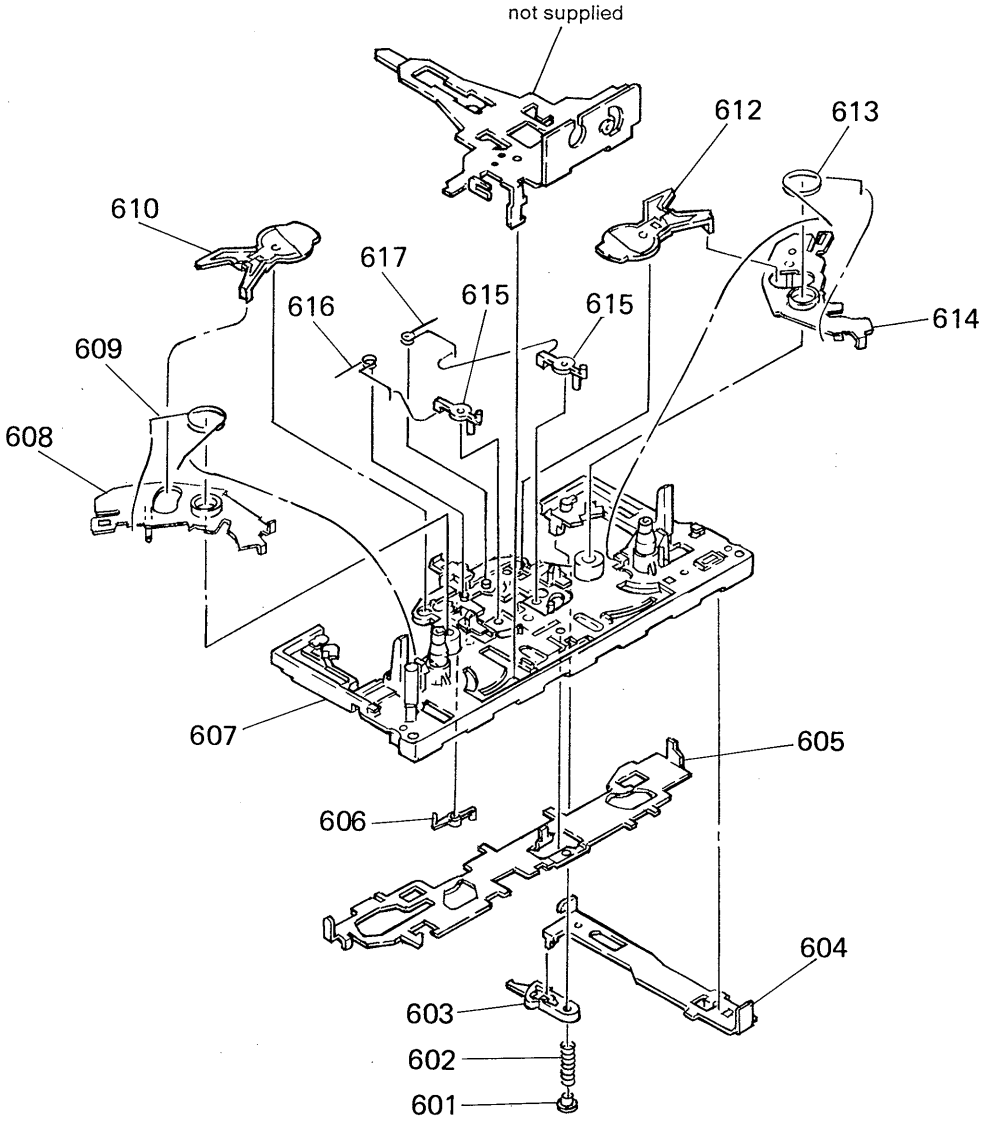
Ref. No.	Part No.	Description	Remark
501	3-920-346-01	WASHER	
502	3-920-436-01	SPRING, E ACTUATOR	
* 503	3-920-437-01	LEVER (S), EJECT SLIDE	
504	3-920-439-01	GEAR, CAM	
505	3-920-348-01	WASHER	
506	3-920-469-01	MAT, VIBRATION PROOF	
508	3-920-353-01	SCREW (M2X2.5), CAMELA TAPPING	
510	3-920-471-01	SPRING, MUTE PLATE	
511	3-920-463-01	LEVER, MODE	
512	3-920-347-01	POLY-SLIDER	
513	3-915-787-01	BELT, RF	
514	3-920-345-01	POLY-SLIDER	
515	3-920-446-01	FLYWHEEL ASSY (F)	
516	3-920-445-01	SPRING, PUSH LEVER	
* 517	3-920-442-01	LEVER, PUSH	
518	3-920-444-01	SPRING, PRG	
* 520	3-920-443-01	LEVER, TURN	
521	3-920-338-01	SCREW, CAMERA (S) TAPPING	
523	3-915-774-01	SPRING (B), BUTTON LEVER	
524	3-915-756-01	SPRING (A), BUTTON LEVER	
525	3-920-454-01	SPRING, MAIN PLATE	
526	3-920-453-01	SPRING, HEAD PANEL	
527	3-920-452-01	SPRING, PLAY BUTTON	
529	3-920-431-01	PULLEY	
530	3-920-352-01	POLY-SLIDER	
531	3-915-808-01	SCREW (M2X3), C TIGHT	
532	3-921-417-01	MODE SLIDE LEVER	
533	3-920-451-01	FLYWHEEL ASSY (F)	
S604	1-762-022-11	SWITCH, LEAF (POWER) (DECK A)	
S605	1-762-255-11	SWITCH, LEAF (PB) (DECK A)	

(8) MECHANISM DECK SECTION-6 (DECK A)
MF-W475



Ref. No.	Part No.	Description	Remark
552	3-915-810-01	SCREW (M2X5), P TIGHT BIND	
553	3-920-397-01	CLUTCH ASSY, RF	
554	3-920-406-01	SPRING, PACK	
555	3-915-808-01	SCREW (M2X3), C TIGHT	
556	3-920-434-01	SENSOR	
557	3-920-433-01	REEL ASSY, T	
558	3-920-435-01	SPRING, SENSOR	
* 559	3-920-408-01	STOPPER, PR	
* 561	3-920-413-01	LEVER ASSY (RS), STOP BUTTON	
* 562	3-920-412-01	LEVER ASSY (RS), FF BUTTON	
* 563	3-920-411-01	LEVER ASSY (FS), FF BUTTON	
* 564	3-920-410-01	LEVER ASSY (RS), PLAY BUTTON	
565	3-915-793-01	GEAR, FF	
* 566	3-920-432-01	CHASSIS ASSY	
567	3-915-811-01	SCREW (M2X4.5), CAMERA TAPPING	

(9) MECHANISM DECK SECTION-7 (DECK A)
MF-W475



Ref. No.	Part No.	Description	Remark
601	3-915-755-01	STOPPER, PAUSE	
602	3-915-754-01	SPRING, PAUSE LEVER	
* 603	3-920-447-01	LEVER (F), PUSH	
* 604	3-920-414-01	LEVER ASSY (S), PAUSE BUTTON	
* 605	3-920-549-01	PLATE, SLIDE	
* 606	3-920-409-01	LEVER, RF KICK	
607	3-920-540-01	BASE (B) ASSY	
* 608	3-920-543-01	PLATE (R) ASSY, GEAR	
609	3-920-544-01	SPRING, GEAR PLATE (R)	
610	3-920-548-01	LEVER (R), SENSING	
612	3-920-547-01	LEVER (F), SENSING	
613	3-920-542-01	SPRING, GEAR PLATE (F)	
* 614	3-920-541-01	PLATE (F) ASSY, GERA	
* 615	3-920-429-01	ARM, M CONTROL	
616	3-920-546-01	SPRING, M CONTROL (R)	
617	3-920-545-01	SPRING, M CONTROL (F)	

SECTION 6

BATTERY LED MAIN ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- Abbreviations
  EA : Saudi Arabia model
  UAE: United Arab Emirates model

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
*	1-651-595-11	BATTERY BOARD	
		**********	
	3-380-067-01	SPRING, BATT (-)	
		< CONNECTOR >	
* CN911	1-580-046-11	CONNECTOR 2P	
**********			
*	1-651-593-11	LED BOARD	
		*********	
*	3-915-892-01	HOLDER, LED	
*	3-915-893-01	CUSHION, MICROPHONE	
		< DIODE >	
D251	8-719-948-75	DIODE SLR34VR70F165 (FWD)	
D252	8-719-948-75	DIODE SLR34VR70F165 (REV)	
D273	8-719-940-76	DIODE 1SS132	
		< MICROPHONE >	
MIC201	1-542-241-11	MICROPHONE	
		< RESISTOR >	
R271	1-249-418-11	CARBON 1.2K 5% 1/4W F	
R272	1-249-412-11	CARBON 390 5% 1/4W F	
R273	1-249-418-11	CARBON 1.2K 5% 1/4W F	
R274	1-249-412-11	CARBON 390 5% 1/4W F	
R275	1-249-418-11	CARBON 1.2K 5% 1/4W F	
**********			

Ref. No.	Part No.	Description			Remark
*	A-3276-644-A	MAIN BOARD, COMPLETE (E, UAE)			
		**********			
*	A-3276-655-A	MAIN BOARD, COMPLETE (EA)			
		**********			
*	3-919-831-01	HOLDER, BAR ANTENNA			
	7-685-871-01	SCREW +BVTT 3X6 (S)			
		< CAPACITOR >			
C1	1-162-282-31	CERAMIC	100PF	10%	50V
C2	1-102-959-00	CERAMIC	22PF	5%	50V (EA)
C2	1-162-205-31	CERAMIC	18PF	5%	50V (E, UAE)
C3	1-126-233-11	ELECT	22uF	20%	50V
C5	1-162-306-11	CERAMIC	0.01uF	20%	16V
C8	1-162-193-31	CERAMIC	3.3PF	10%	50V
C10	1-162-193-31	CERAMIC	3.3PF	10%	50V
C11	1-102-959-00	CERAMIC	22PF	5%	50V (EA)
C11	1-102-958-00	CERAMIC	20PF	5%	50V (E, UAE)
C12	1-162-306-11	CERAMIC	0.01uF	20%	16V
C13	1-124-443-00	ELECT	100uF	20%	10V
C14	1-124-443-00	ELECT	100uF	20%	10V
C15	1-124-903-11	ELECT	1uF	20%	50V
C16	1-124-927-11	ELECT	4.7uF	20%	100V
C17	1-124-903-11	ELECT	1uF	20%	50V
C18	1-162-306-11	CERAMIC	0.01uF	20%	16V
C19	1-124-925-11	ELECT	2.2uF	20%	100V
C21	1-124-903-11	ELECT	1uF	20%	50V
C22	1-124-927-11	ELECT	4.7uF	20%	100V
C23	1-124-902-00	ELECT	0.47uF	20%	50V
C24	1-124-907-11	ELECT	10uF	20%	50V
C25	1-162-215-31	CERAMIC	47PF	5%	50V
C26	1-162-282-31	CERAMIC	100PF	10%	50V
C27	1-162-201-31	CERAMIC	12PF	5%	50V
C28	1-130-473-00	FILM	0.0015uF	5%	50V
C29	1-102-958-00	CERAMIC	20PF	5%	50V
C31	1-130-479-00	FILM	0.0047uF	5%	50V

Ref. No.	Part No.	Description			Remark
C32	1-162-195-31	CERAMIC	4.7PF	10%	50V
C33	1-110-342-11	FILM	390PF	5%	50V
C34	1-162-193-31	CERAMIC	3.3PF	10%	50V
C35	1-124-902-00	ELECT	0.47uF	20%	50V
C36	1-130-011-00	FILM	270PF	5%	50V
C37	1-102-959-00	CERAMIC	22PF	5%	50V
C71	1-130-485-00	MYLAR	0.015uF	5%	50V
C74	1-124-464-11	ELECT	0.22uF	20%	50V
C81	1-130-485-00	MYLAR	0.015uF	5%	50V
C84	1-124-464-11	ELECT	0.22uF	20%	50V
C101	1-162-292-31	CERAMIC	680PF	10%	50V
C102	1-162-292-31	CERAMIC	680PF	10%	50V
C103	1-162-288-31	CERAMIC	330PF	10%	50V
C104	1-130-485-00	MYLAR	0.015uF	5%	50V
C105	1-124-126-00	ELECT	47uF	20%	10V
C106	1-124-903-11	ELECT	1uF	20%	50V
C111	1-124-927-11	ELECT	4.7uF	20%	100V
C118	1-137-365-11	FILM	0.0015uF	5%	50V
C121	1-124-903-11	ELECT	1uF	20%	50V
C122	1-130-489-11	MYLAR	0.033uF	5%	50V
C123	1-124-252-00	ELECT	0.33uF	20%	50V
C124	1-137-438-11	FILM	0.0082uF	5%	50V
C125	1-124-463-00	ELECT	0.1uF	20%	50V
C126	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C127	1-130-489-11	MYLAR	0.033uF	5%	50V
C128	1-162-294-31	CERAMIC	0.001uF	10%	50V
C131	1-124-903-11	ELECT	1uF	20%	50V
C132	1-124-903-11	ELECT	1uF	20%	50V
C133	1-124-903-11	ELECT	1uF	20%	50V
C134	1-130-487-00	MYLAR	0.022uF	5%	50V
C172	1-126-962-11	ELECT	3.3uF	20%	50V
C173	1-162-288-31	CERAMIC	330PF	10%	50V
C174	1-162-288-31	CERAMIC	330PF	10%	50V
C175	1-124-443-00	ELECT	100uF	20%	10V
C176	1-124-902-00	ELECT	0.47uF	20%	50V
C181	1-124-443-00	ELECT	100uF	20%	10V
C182	1-124-443-00	ELECT	100uF	20%	10V
C183	1-124-477-11	ELECT	47uF	20%	25V
C184	1-130-489-11	MYLAR	0.033uF	5%	50V
C185	1-130-489-11	MYLAR	0.033uF	5%	50V
C201	1-124-903-11	ELECT	1uF	20%	50V
C202	1-124-463-00	ELECT	0.1uF	20%	50V
C203	1-162-306-11	CERAMIC	0.01uF	20%	16V
C204	1-162-290-31	CERAMIC	470PF	10%	50V
C205	1-161-044-00	CERAMIC	0.0027uF	10%	50V
C206	1-162-290-31	CERAMIC	470PF	10%	50V
C207	1-161-044-00	CERAMIC	0.0027uF	10%	50V
C208	1-124-927-11	ELECT	4.7uF	20%	100V

Ref. No.	Part No.	Description			Remark
C209	1-124-927-11	ELECT	4.7uF	20%	100V
C210	1-124-927-11	ELECT	4.7uF	20%	100V
C211	1-161-042-00	CERAMIC	0.0018uF	10%	50V
C212	1-161-042-00	CERAMIC	0.0018uF	10%	50V
C213	1-124-917-11	ELECT	33uF	20%	63V
C214	1-126-233-11	ELECT	22uF	20%	50V
C215	1-124-927-11	ELECT	4.7uF	20%	100V
C216	1-124-903-11	ELECT	1uF	20%	50V
C217	1-124-917-11	ELECT	33uF	20%	63V
C219	1-124-443-00	ELECT	100uF	20%	10V
C220	1-126-176-11	ELECT	220uF	20%	10V
C221	1-162-286-31	CERAMIC	220PF	10%	50V
C222	1-162-290-31	CERAMIC	470PF	10%	50V
C223	1-130-471-00	MYLAR	0.001uF	5%	50V
C224	1-124-443-00	ELECT	100uF	20%	10V
C225	1-130-485-00	MYLAR	0.015uF	5%	50V
C226	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C227	1-137-370-11	FILM	0.01uF	5%	50V
C231	1-124-910-11	ELECT	47uF	20%	50V
C233	1-162-282-31	CERAMIC	100PF	10%	50V
C252	1-126-233-11	ELECT	22uF	20%	50V
C253	1-126-176-11	ELECT	220uF	20%	10V
C261	1-124-119-00	ELECT	330uF	20%	16V
C262	1-126-176-11	ELECT	220uF	20%	10V
C292	1-124-120-11	ELECT	220uF	20%	25V
C293	1-126-233-11	ELECT	22uF	20%	50V
C296	1-124-927-11	ELECT	4.7uF	20%	100V
C301	1-162-292-31	CERAMIC	680PF	10%	50V
C302	1-162-292-31	CERAMIC	680PF	10%	50V
C303	1-162-288-31	CERAMIC	330PF	10%	50V
C304	1-130-485-00	MYLAR	0.015uF	5%	50V
C305	1-124-126-00	ELECT	47uF	20%	10V
C306	1-124-903-11	ELECT	1uF	20%	50V
C311	1-124-927-11	ELECT	4.7uF	20%	100V
C318	1-137-365-11	FILM	0.0015uF	5%	50V
C321	1-124-903-11	ELECT	1uF	20%	50V
C322	1-130-489-11	MYLAR	0.033uF	5%	50V
C323	1-124-252-00	ELECT	0.33uF	20%	50V
C324	1-137-438-11	FILM	0.0082uF	5%	50V
C325	1-124-463-00	ELECT	0.1uF	20%	50V
C326	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C327	1-130-489-11	MYLAR	0.033uF	5%	50V
C328	1-162-294-31	CERAMIC	0.001uF	10%	50V
C331	1-124-903-11	ELECT	1uF	20%	50V
C332	1-124-903-11	ELECT	1uF	20%	50V
C333	1-124-903-11	ELECT	1uF	20%	50V
C334	1-130-487-00	MYLAR	0.022uF	5%	50V
C372	1-126-962-11	ELECT	3.3uF	20%	50V
C373	1-162-288-31	CERAMIC	330PF	10%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C374	1-162-288-31	CERAMIC	330PF	10%	50V
C375	1-124-443-00	ELECT	100uF	20%	10V
C376	1-124-902-00	ELECT	0.47uF	20%	50V
C381	1-124-443-00	ELECT	100uF	20%	10V
C382	1-124-443-00	ELECT	100uF	20%	10V
C383	1-124-477-11	ELECT	47uF	20%	25V
C384	1-130-489-11	MYLAR	0.033uF	5%	50V
C385	1-130-489-11	MYLAR	0.033uF	5%	50V
C906	1-124-563-11	ELECT	2200uF	20%	25V
		< FILTER >			
CF1	1-567-166-00	FILTER, CERAMIC			
CF2	1-567-166-00	FILTER, CERAMIC			
CF3	1-760-472-11	FILTER, CERAMIC			
		< CONNECTOR >			
* CN1	1-535-115-00	TERMINAL			
* CN201	1-580-047-11	CONNECTOR 3P			
* CN202	1-766-465-11	CONNECTOR 6P			
* CN203	1-770-260-11	CONNECTOR 11P			
* CN204	1-770-261-11	CONNECTOR 5P			
* CN205	1-766-465-11	CONNECTOR 6P			
* CN912	1-580-046-11	CONNECTOR 2P			
		< DIODE >			
D1	8-719-107-94	DIODE	1SS202-1		
D2	8-719-107-94	DIODE	1SS202-1		
D201	8-719-107-94	DIODE	1SS202-1		
D202	8-719-107-94	DIODE	1SS202-1		
D203	8-719-107-94	DIODE	1SS202-1		
D204	8-719-107-94	DIODE	1SS202-1		
D206	8-719-107-94	DIODE	1SS202-1		
D208	8-719-107-94	DIODE	1SS202-1		
D261	8-719-109-97	DIODE	RD6.8ES-B2		
		< FILTER >			
FL1	1-239-995-11	FILTER, BAND PASS			
		< FUSE RESISTOR >			
⚠FR261	1-217-641-00	FUSIBLE	4.7	5%	1/4W F
		< IC >			
IC1	8-752-050-20	IC	CXA1238S		
IC201	8-759-048-59	IC	BA3423S		
IC204	8-759-933-38	IC	BA3822LS		
IC205	8-759-822-51	IC	LA4620		

Ref. No.	Part No.	Description			Remark
		< JACK >			
J101	1-580-045-11	JACK (SPEAKER (L))			
J201	1-766-773-11	JACK, LINE IN (CD/LINE IN)			
J202	1-507-806-00	JACK 1P (PHONES)			
J301	1-580-045-11	JACK (SPEAKER (R))			
		< COIL >			
L1	1-409-909-21	COIL, RF FM			
L2	1-409-909-11	COIL, RF FM			
L4	1-411-138-11	COIL, SW 2 ANT			
L5	1-409-913-11	COIL, SW ANT			
L6	1-501-756-11	ANTENNA, FERRITE-ROD (MW)			
L7	1-409-910-11	COIL, MW OSC			
L8	1-409-911-11	COIL, SW2 OSC			
L9	1-409-912-11	COIL, SW1 OSC			
L10	1-412-879-11	INDUCTOR	3.3uH		
		< TRANSISTOR >			
Q71	8-729-016-64	TRANSISTOR	KTD1302		
Q81	8-729-016-64	TRANSISTOR	KTD1302		
Q101	8-729-016-64	TRANSISTOR	KTD1302		
Q201	8-729-900-80	TRANSISTOR	DTC114ES		
Q209	8-729-900-80	TRANSISTOR	DTC114ES		
Q210	8-729-900-80	TRANSISTOR	DTC114ES		
Q211	8-729-028-51	TRANSISTOR	KTA1266		
Q214	8-729-028-53	TRANSISTOR	KTC3202		
Q217	8-729-028-54	TRANSISTOR	KTC3205		
Q291	8-729-028-51	TRANSISTOR	KTA1266		
Q292	8-729-028-52	TRANSISTOR	KTC3198		
Q301	8-729-016-64	TRANSISTOR	KTD1302		
		< RESISTOR >			
R1	1-249-398-11	CARBON	27	5%	1/4W F
R2	1-247-847-11	CARBON	4.7K	5%	1/4W
R3	1-247-879-11	CARBON	100K	5%	1/4W
R4	1-249-411-11	CARBON	330	5%	1/4W
R5	1-249-410-11	CARBON	270	5%	1/4W F
R6	1-247-807-11	CARBON	100	5%	1/4W
R7	1-247-855-11	CARBON	10K	5%	1/4W
R8	1-247-839-11	CARBON	2.2K	5%	1/4W
R11	1-247-887-00	CARBON	220K	5%	1/4W
R12	1-247-887-00	CARBON	220K	5%	1/4W
R13	1-247-855-11	CARBON	10K	5%	1/4W
R14	1-249-432-11	CARBON	18K	5%	1/4W
R16	1-247-807-11	CARBON	100	5%	1/4W
R21	1-249-399-11	CARBON	33	5%	1/4W
R22	1-249-400-11	CARBON	39	5%	1/4W
R58	1-249-417-11	CARBON	1K	5%	1/4W F

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
R59	1-249-435-11	CARBON	33K	5%	1/4W
R71	1-249-427-11	CARBON	6.8K	5%	1/4W F
R72	1-249-423-11	CARBON	3.3K	5%	1/4W F
R73	1-249-428-11	CARBON	8.2K	5%	1/4W F
R74	1-249-431-11	CARBON	15K	5%	1/4W
R81	1-249-427-11	CARBON	6.8K	5%	1/4W F
R82	1-249-423-11	CARBON	3.3K	5%	1/4W F
R83	1-249-428-11	CARBON	8.2K	5%	1/4W F
R84	1-249-431-11	CARBON	15K	5%	1/4W
R103	1-247-847-11	CARBON	4.7K	5%	1/4W
R104	1-247-889-00	CARBON	270K	5%	1/4W
R105	1-247-811-31	CARBON	150	5%	1/4W
R107	1-249-423-11	CARBON	3.3K	5%	1/4W F
R108	1-249-428-11	CARBON	8.2K	5%	1/4W F
R109	1-247-871-11	CARBON	47K	5%	1/4W
R110	1-249-423-11	CARBON	3.3K	5%	1/4W F
R111	1-249-434-11	CARBON	27K	5%	1/4W
R118	1-247-847-11	CARBON	4.7K	5%	1/4W
R119	1-247-839-11	CARBON	2.2K	5%	1/4W
R121	1-249-411-11	CARBON	330	5%	1/4W
R122	1-249-416-11	CARBON	820	5%	1/4W F
R123	1-249-417-11	CARBON	1K	5%	1/4W F
R124	1-249-417-11	CARBON	1K	5%	1/4W F
R125	1-249-417-11	CARBON	1K	5%	1/4W F
R172	1-249-434-11	CARBON	27K	5%	1/4W
R173	1-249-417-11	CARBON	1K	5%	1/4W F
R174	1-249-385-11	CARBON	2.2	5%	1/6W F
R175	1-249-385-11	CARBON	2.2	5%	1/6W F
R182	1-247-811-31	CARBON	150	5%	1/4W
R201	1-249-417-11	CARBON	1K	5%	1/4W F
R202	1-249-417-11	CARBON	1K	5%	1/4W F
R203	1-247-847-11	CARBON	4.7K	5%	1/4W
R206	1-247-903-00	CARBON	1M	5%	1/4W
R215	1-249-431-11	CARBON	15K	5%	1/4W
R216	1-249-431-11	CARBON	15K	5%	1/4W
R217	1-249-431-11	CARBON	15K	5%	1/4W
R218	1-249-431-11	CARBON	15K	5%	1/4W
R223	1-247-807-11	CARBON	100	5%	1/4W
R224	1-249-410-11	CARBON	270	5%	1/4W F
R225	1-247-855-11	CARBON	10K	5%	1/4W
R226	1-249-393-11	CARBON	10	5%	1/4W F
R230	1-249-417-11	CARBON	1K	5%	1/4W F
R231	1-247-855-11	CARBON	10K	5%	1/4W
R233	1-247-855-11	CARBON	10K	5%	1/4W
R234	1-247-891-00	CARBON	330K	5%	1/4W
R235	1-249-402-11	CARBON	56	5%	1/4W F
R236	1-247-839-11	CARBON	2.2K	5%	1/4W
R239	1-249-420-11	CARBON	1.8K	5%	1/4W F

Ref. No.	Part No.	Description			Remark
R262	1-247-825-11	CARBON	560	5%	1/4W
R263	1-249-399-11	CARBON	33	5%	1/4W F
R291	1-247-897-11	CARBON	560K	5%	1/4W
R292	1-247-895-00	CARBON	470K	5%	1/4W
R293	1-247-897-11	CARBON	560K	5%	1/4W
R294	1-249-432-11	CARBON	18K	5%	1/4W
R295	1-247-847-11	CARBON	4.7K	5%	1/4W
R296	1-249-433-11	CARBON	22K	5%	1/4W
R297	1-249-431-11	CARBON	15K	5%	1/4W
R303	1-247-847-11	CARBON	4.7K	5%	1/4W
R304	1-247-889-00	CARBON	270K	5%	1/4W
R305	1-247-811-31	CARBON	150	5%	1/4W
R307	1-249-423-11	CARBON	3.3K	5%	1/4W F
R308	1-249-428-11	CARBON	8.2K	5%	1/4W F
R309	1-247-871-11	CARBON	47K	5%	1/4W
R310	1-249-423-11	CARBON	3.3K	5%	1/4W F
R311	1-249-434-11	CARBON	27K	5%	1/4W
R318	1-247-847-11	CARBON	4.7K	5%	1/4W
R319	1-247-839-11	CARBON	2.2K	5%	1/4W
R321	1-249-411-11	CARBON	330	5%	1/4W
R322	1-249-416-11	CARBON	820	5%	1/4W F
R323	1-249-417-11	CARBON	1K	5%	1/4W F
R324	1-249-417-11	CARBON	1K	5%	1/4W F
R325	1-249-417-11	CARBON	1K	5%	1/4W F
R372	1-249-434-11	CARBON	27K	5%	1/4W
R373	1-249-417-11	CARBON	1K	5%	1/4W F
R374	1-249-385-11	CARBON	2.2	5%	1/6W F
R375	1-249-385-11	CARBON	2.2	5%	1/6W F
R382	1-247-811-31	CARBON	150	5%	1/4W

< VARIABLE RESISTOR >

RV1	1-228-995-00	RES, ADJ, METAL 22K
RV101	1-241-989-11	RES, VAR, SLIDE 100K/100K (MEGA BASS)
RV102	1-241-990-11	RES, VAR, SLIDE 100K/100K (GRAPHIC EQUALIZER (300Hz))
RV103	1-241-990-11	RES, VAR, SLIDE 100K/100K (GRAPHIC EQUALIZER (1KHz))
RV104	1-241-990-11	RES, VAR, SLIDE 100K/100K (GRAPHIC EQUALIZER (3KHz))
RV105	1-241-990-11	RES, VAR, SLIDE 100K/100K (GRAPHIC EQUALIZER (10KHz))
RV107	1-241-988-11	RES, VAR, SLIDE 100K/100K (BALANCE)
RV251	1-228-989-00	RES, ADJ, METAL 470

MAIN VOLUME POWER

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S1	1-762-160-11	SWITCH, LEVER SLIDE (BAND)			
S2	1-762-237-11	SWITCH, LEVER SLIDE (FUNCTION)			
S3	1-692-179-11	SWITCH, PUSH (DUBBING)			
S4	1-692-170-11	SWITCH, SLIDE (ISS/FM MODE)			
S5	1-762-238-11	SWITCH, SLIDE (REC/PB)			
		< TRANSFORMER >			
T1	1-404-925-11	IFT, AM			
T7	1-406-238-11	COIL, OSCILLATION			
		< VARIABLE CAPACITOR >			
TC1-4 VC1-4	1-141-527-11	CAP, VAR (TUNING)			
		< TRIMMER >			
TC5	1-141-514-11	CAP, ADJ 30PF			
TC6	1-141-514-11	CAP, ADJ 30PF			
TC7	1-141-514-11	CAP, ADJ 30PF			
TC8	1-141-514-11	CAP, ADJ 30PF			
		< VARIABLE RESISTOR >			
VC5	1-223-753-11	RES, VAR, SLIDE 10K (FINE TUNING)			
**********					
*	1-651-594-11	VOLUME BOARD			
		**********			
		< VARIABLE RESISTOR >			
RV106	1-223-696-11	VOLUME, CARBON 50K/50K (VOLUME)			
**********					
*	1-651-592-11	POWER BOARD			
		**********			
	1-533-243-11	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-161-494-00	CERAMIC	0.022uF	25V	
C902	1-161-494-00	CERAMIC	0.022uF	25V	
C903	1-161-494-00	CERAMIC	0.022uF	25V	
C904	1-161-494-00	CERAMIC	0.022uF	25V	
C905	1-124-887-00	ELECT	3300uF 20%	16V	

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D901	8-719-200-02	DIODE 10E2	
D902	8-719-200-02	DIODE 10E2	
D903	8-719-200-02	DIODE 10E2	
D904	8-719-200-02	DIODE 10E2	
		< FUSE >	
⚠F901	1-532-066-00	FUSE (0.4A 250V)	
⚠F903	1-532-350-00	FUSE (4A 250V)	
		< AC INLET >	
⚠JK901	1-251-233-11	INLET, AC (~AC IN)	
		< SWITCH >	
⚠S901	1-552-921-00	SWITCH, POWER (VOLTAGE SELECTOR)	
**********			
		MISCELLANEOUS	
		**********	
3	1-575-951-11	CORD, SPEAKER	
ANT1	1-501-544-11	ANTENNA, TELESCOPIC (FM/SW)	
C246	1-126-101-11	ELECT 100uF 20% 16V	
HE601	1-500-139-11	HEAD, E (ERASE) (DECK B)	
HP601	1-500-187-11	HEAD (PB) (DECK A)	
HRP601	1-500-138-11	HEAD, R/P (REC/PB) (DECK B)	
M601	X-3369-757-1	MOTOR ASSY (REEL/CAPSTAN)	
S601	1-762-023-11	SWITCH, LEAF (PB/REC) (DECK B)	
S603	1-762-022-11	SWITCH, LEAF (POWER) (DECK B)	
S604	1-762-022-11	SWITCH, LEAF (POWER) (DECK A)	
S605	1-762-255-11	SWITCH, LEAF (PB) (DECK A)	
S606	1-762-279-11	SWITCH, LEAF (DIRECTION)	
SP101	1-504-749-11	SPEAKER	
SP102	1-529-047-11	BUZZER	
SP301	1-504-749-11	SPEAKER	
SP302	1-529-047-11	BUZZER	
⚠T901	1-427-741-11	TRANSFORMER, POWER	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
⚠	1-551-983-00	CORD, POWER (E:110-120V AC AREA)	
	1-569-007-11	ADAPTER, CONVERSION 2P (E:110-120V AC AREA)	
	1-569-008-11	ADAPTER, CONVERSION 2P (EA)	
⚠	1-575-131-11	CORD, POWER (E:220-240V AC AREA, EA, UAE)	
*	3-324-066-01	SHEET, PROTECTION	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
	3-759-662-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH)	
*	3-919-179-01	INDIVIDUAL CARTON	
*	3-915-897-11	CUSHION (UPPER)	
*	3-915-898-11	CUSHION (LOWER)	

****

****
HARDWARE LIST
****

#1	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S
#2	7-685-651-79	SCREW +BVTP 3X20 TYPE2 N-S
#3	7-621-773-95	SCREW +B 2.6X6
#5	7-682-549-04	SCREW +B 3X10
#6	7-685-155-19	SCREW +P 3X40 TYPE2 NON-SLIT
#10	7-621-255-15	SCREW +B 2X3
#11	7-621-255-45	SCREW +P 2X6
#12	7-685-105-19	SCREW TPG +P 2X8 TYPE2 NON-SLIT
#13	7-685-649-79	SCREW +BVTP 3X14 TYPE2 NON-SLIT

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